

WE CLAIM:

1. A continuous blood glucose monitor ("CBGM ") comprising
  - a. a display for displaying graphics and characters;
  - 5 b. a processor that is interfaced with a display; the processor being configured to display data on the display, the data being displayed in a graphical form showing, as a single image, past and present blood glucose values and trend data, the processor further being configured to calculate future blood glucose values and to display the future values
  - 10 simultaneously with the past and present data in the same image.
2. The CBGM of claim 1 wherein the processor is further configured to display a visual indication as to whether the blood glucose level is predicted to be an acceptable level at a predetermined time in the future, the indication comprising displaying the image in a first color for good and a second color for bad
- 15 3. A graphical display of a continuously monitored bodily parameter for displaying a single image comprised of a graphical representation of:  
past monitored data, present data,  
future data, and  
trend data indicating whether a patient's condition is acceptable now and likely to  
20 be acceptable in the near future, or is unacceptable presently, but is likely to become acceptable within a discrete, preselected period of time.
4. A graphical display for a medical monitor for displaying information about a monitored bodily parameter, the display comprising:
  - a. a means for showing the present value of the parameter,
  - 25 b. a means for showing information about the monitoring device,
  - c. a means for showing whether the monitored parameter has been relatively constant for a predetermined past period, whether the parameter value is increasing or decreasing, and the relative rate at which the parameter is changing, and

wherein the means a-c are displayed in a graphical form in a single viewing of the display.

5. A display for continuous blood glucose monitor, the display comprising:

a. a graphical representation of blood glucose data, the data comprising:

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1. past blood glucose levels,
  2. present blood glucose level,
  3. future predicated blood glucose levels,
  4. rate of change of blood glucose level,

b. a visual indicator that indicates whether:

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1. the blood glucose level is at or approaching an acceptable level, or
  2. a visually observable indicator that indicates whether the blood glucose level is unacceptable or approaching an unacceptable level.

15 6. The display of claim 5, wherein the visually observable indicator comprises one color for indicating an acceptable condition and another color for indicating an unacceptable condition.